

1.4 Using the Walkathon Money

Ms. Chang's class decides to use their money from the walkathon to provide books for the children's ward at the hospital. They put the money in the school safe and withdraw a fixed amount each week to buy new books. To keep track of the money, Isabella makes a table of the amount of money in the account at the end of each week.

Week	Amount of Money at the End of Each Week
0	\$144
1	\$132
2	\$120
3	\$108
4	\$96
5	\$84

*What do you think the graph would look like?
Is this a linear relationship?*

Problem 1.4 Recognizing Linear Relationships

- A. 1.** How much money is in the account at the start of the project?
- 2.** How much money is withdrawn from the account each week?
- 3.** Is the relationship between the number of weeks and the amount of money left in the account a linear relationship? Explain.
- 4.** Suppose the students continue withdrawing the same amount of money each week. Sketch a graph of this relationship.
- 5.** Write an equation that represents the relationship. Explain what information each number and variable represents.

